

Supporting information for “Self-assembly of biodegradable branched PEPCL-b-PEC amphiphilic polymer: synthesis, characterization and cancer cell targeted drug delivery”

S. Panja,^a S. Nayak,^b S. K. Ghosh^b, M. Selvakumar^a and S. Chattopadhyay^{*a}

^a Rubber Technology Centre, Indian Institute of Technology, Kharagpur-721302, India

^b Department of Biotechnology, Indian Institute of Technology, Kharagpur-721302, India

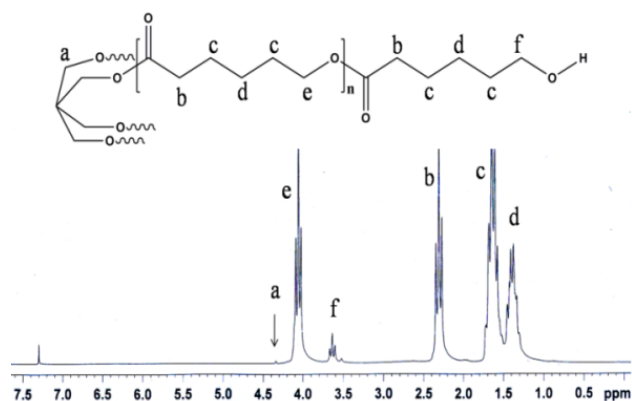


Figure S1: ¹H NMR spectrum of branch PE-PCL in CDCl₃.

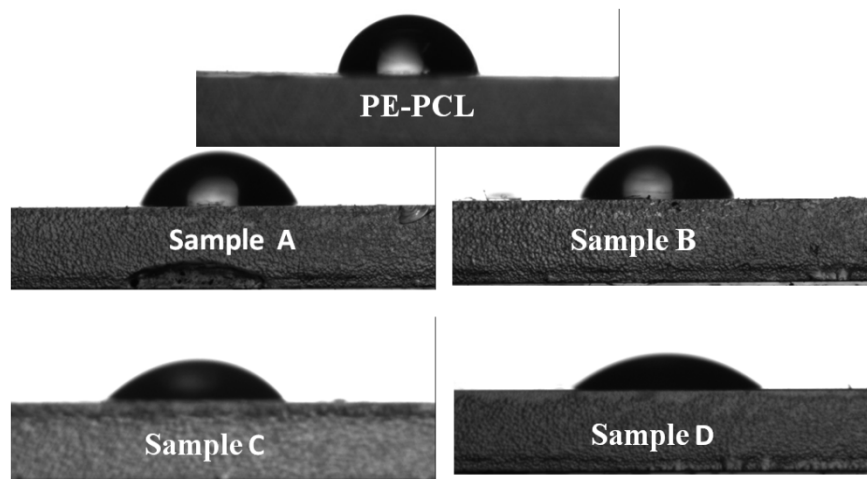


Figure S2: Water contact angle of PE-PCL (77°), Sample A (71°), Sample B (67°), Sample C (59°) and Sample D (55°).

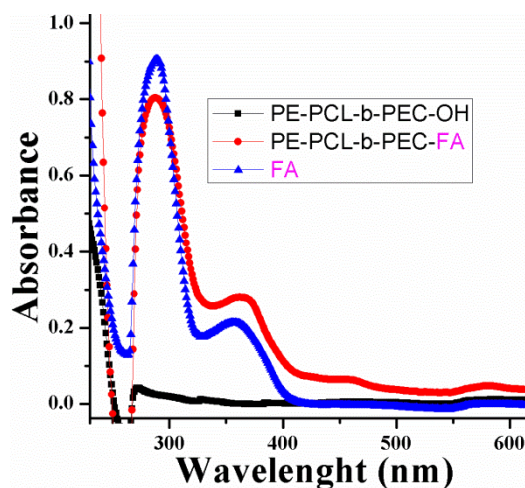


Figure S3: UV absorption spectra of folic acid (FA), PE-PCL-b-PEC and PE-PCL-b-PEC-FA.

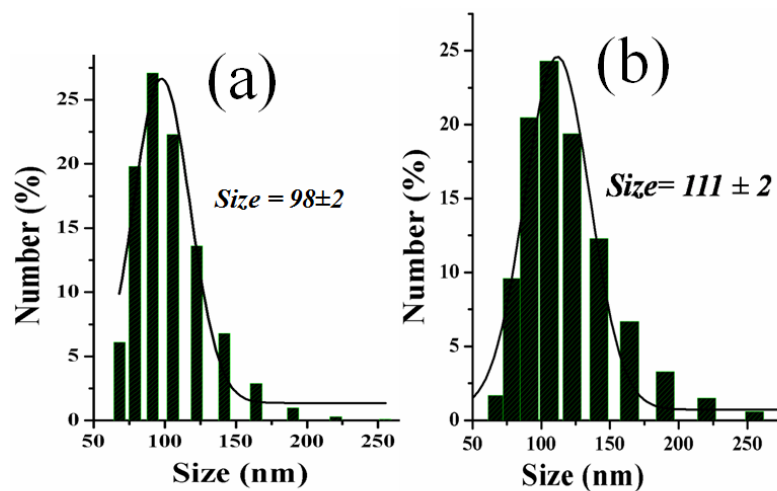


Figure 4: DLS histogram of (a) blank and (b) DOX loaded polymeric micelle with standard deviation.

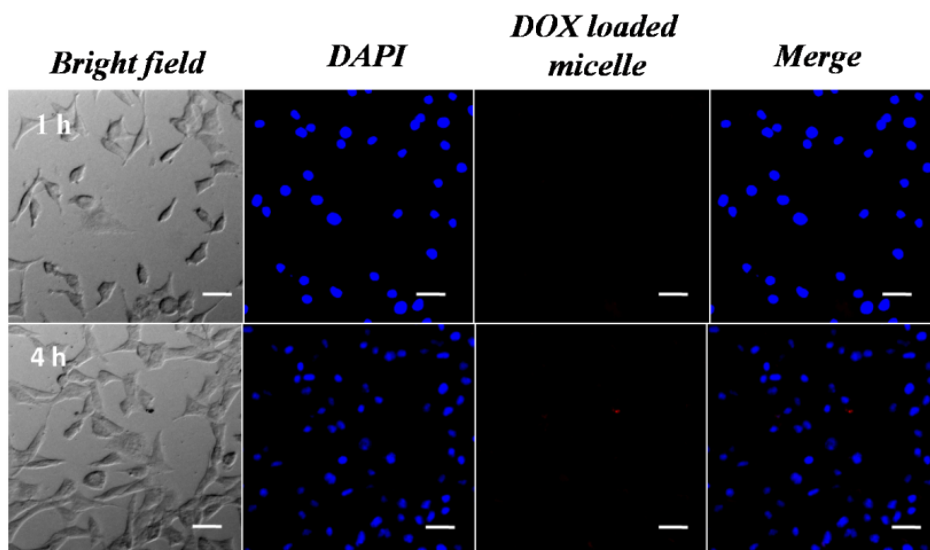


Figure S5: Fluorescence microscopic image of L929 cell treated with DOX loaded polymeric micelle with a scale bar of 40 μ m.

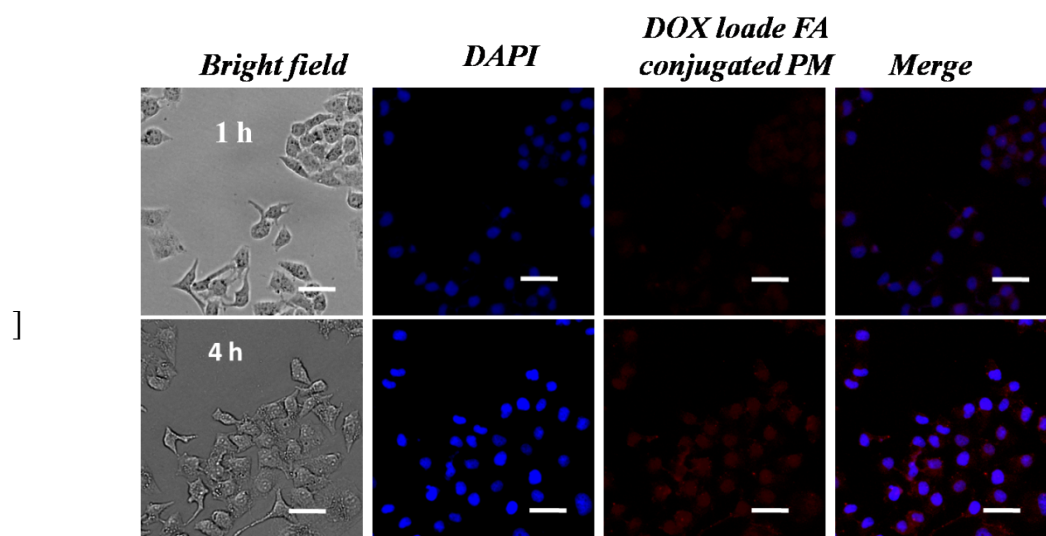


Figure S6: Fluorescence microscopic image of HeLa cell treated with FA conjugated, DOX loaded PM with a scale bar of 40 μ m.

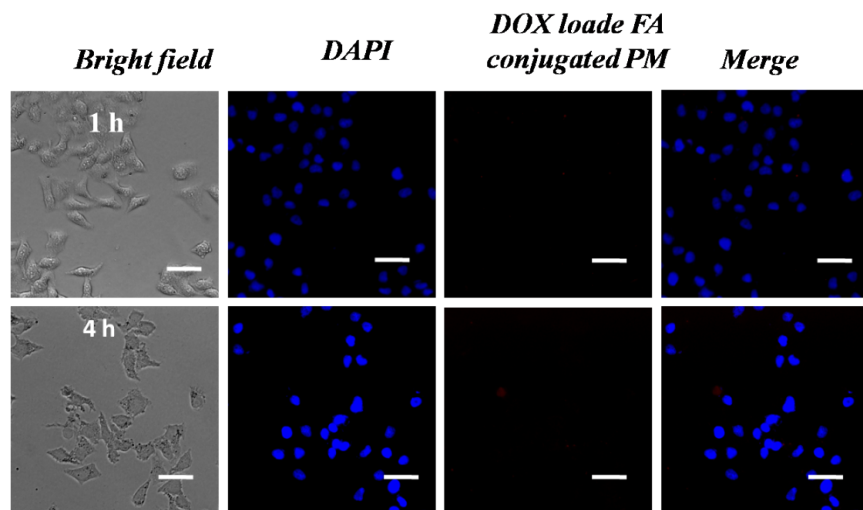


Figure S7: Fluorescence microscopic image of HeLa cell treated with FA unconjugated DOX loaded PM with a scale bar of 40 μ m.